

SEQUENCE LISTING

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<110> Tao, Weng
      Wong, Shou
      Hickey, William F
      Hammang, Joseph P
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<141> 2001-04-26
<150> PCT/US99/24630
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Asn Ser His Val Glu Met Lys Leu Ala Val Asp Glu Glu Asn Ala 35 40 45

Asp Asn Asn Thr Lys Ala Asn Val Thr Lys Pro Lys Arg Cys Ser Gly 50 55 60

Ser Ile Cys Tyr Gly Thr Ile Ala Val Ile Val Phe Phe Leu Ile Gly
65 70 75 80

Phe Met Ile Gly Tyr Leu Gly Tyr Cys Lys Gly Val Glu Pro Lys Thr 85 90 95

Glu Gly Ser Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro 100 105 110

Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro 115 120 125

Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr 130 135 140

Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn 145 150 155 160

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Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val 180 185 190

Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser 195 200 205

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| Tyr Pro Ser | Asp Ile Ala 260 | Val Glu Trp (| Glu Ser Asn Gly | Gln Pro Glu 270 |
| Asn Asn Tyr 275 | Lys Thr Thr | Pro Pro Val 1 | Leu Asp Ser Asp 285 | |
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Glu Gly Ser Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe 100 105 110

Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val 115 120 125

Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe 130 135 140

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165 170 175

Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val 180 185 190

Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala 195 200 205

Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg 210 215 220

Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly 225 230 235 240 Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro 250 245 Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser 260 265 Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln 275 280 285 Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His 295 300 Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys 305 310 <210> 5 <211> 33 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Oligonucleotide primer <400> 5 cccggatccg cctccaccaa gggcccatgc gtc 33 <210> 6 <211> 33 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: Oligonucleotide primer <400> 6

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Oligonucleotide primer

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